Safety in Numbers
Using Statistics to Make the Transportation System Safer

Research Project #10

Expand, Improve, and Coordinate
Safety Data Analysis

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Safety Data Analysis

Goal

- Increase the extent to which analyses of transportation safety data help to save lives and prevent injuries from hazards in all modes of transportation.

Objective

- Report on Transportation Safety Data Analysis
- Promote intermodal interchanges of information on data analysis

Process

- Identify and index leaders in transportation safety data analysis and research
- Conduct a transportation safety data analysis survey
- Construct an analysis methods inventory

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Process

- Develop a DOT safety data analysis improvement plan

- Formulate an outreach strategy

- Produce the Transportation Safety Data Analysis Report

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Data Analysis Survey

- Survey methodology and questions developed

- 15 respondents identified and interviews scheduled

- Will code results, analyze and summarize findings

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Safety Data Analysis Improvement Plan

- Performance standards

- Recommendations for developing new analytic methodologies

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Safety Data Analysis Improvement Plan

- Recommendations for technology applications

- Best practices and benchmarking

- Training guidelines

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Outreach Recommendations

- Sponsorship of a safety data analysis "strike force"

- Presentations for national and international conferences and other fora

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Outreach Recommendations

- Curriculum for estimating

- Estimating transportation safety risks

- Cost analysis and Management

- Web site and publication program